

COMMONWEALTH OF VIRGINIA
STATE AIR POLLUTION CONTROL BOARD
REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION

9 VAC 5 CHAPTER 40.
EXISTING STATIONARY SOURCES.

PART II.
Emission Standards.

ARTICLE 22.
Emission Standards For Sulfur Recovery Operations (Rule 4-22).

9 VAC 5-40-2980.	Applicability and designation of affected facility.
9 VAC 5-40-2990.	Definitions.
9 VAC 5-40-3000.	Standard for sulfur dioxide.
9 VAC 5-40-3010.	Standard for visible emissions.
9 VAC 5-40-3020.	Standard for fugitive dust/emissions.
9 VAC 5-40-3050.	Compliance.
9 VAC 5-40-3060.	Test methods and procedures.
9 VAC 5-40-3070.	Monitoring.
9 VAC 5-40-3080.	Notification, records and reporting.
9 VAC 5-40-3090.	Registration.
9 VAC 5-40-3100.	Facility and control equipment maintenance or malfunction.
9 VAC 5-40-3110.	Permits.

9 VAC 5-40-2980. Applicability and designation of affected facility.

A. The affected facility to which the provisions of this article apply is each sulfur recovery operation.

B. The provisions of this article apply throughout the Commonwealth of Virginia.

9 VAC 5-40-2990. Definitions.

A. For the purpose of these regulations and subsequent amendments or any orders issued by the board, the words or terms shall have the meaning given them in subsection C of this section.

B. As used in this article, all terms not defined here shall have the meaning given them in 9 VAC 5 Chapter 10 (9 VAC 5-10-10 et seq.), unless otherwise required by context.

C. Terms defined.

"Production rate" means the weight of final product obtained per hour of operation. If the rate or product going to storage can vary, the production rate shall be determined by calculation from the feed rates of raw material.

9 VAC 5-40-3000. Standard for sulfur dioxide.

No owner or other person shall cause or permit to be discharged into the atmosphere from any sulfur recovery operation any sulfur dioxide emissions in excess of a concentration of 8000 parts per million by volume and in excess of the mass emission rate specified in Table 4-22.

TABLE 4-22

Sulfur Production Rate (tons/day)	Maximum Allowable SO ₂ Mass Emission Rate (lbs/hr)
50 or less	415
100	830
200	1660
300	2490
400	3320
500 or more	4150

9 VAC 5-40-3010. Standard for visible emissions.

The provisions of Article 1 (9 VAC 5-40-60 et seq.) of 9 VAC 5 Chapter 40 (Emission Standards for Visible Emissions and Fugitive Dust/Emissions, Rule 4-1) apply.

9 VAC 5-40-3020. Standard for fugitive dust/emissions.

The provisions of Article 1 (9 VAC 5-40-60 et seq.) of 9 VAC 5 Chapter 40 (Emission Standards for Visible Emissions and Fugitive Dust/Emissions, Rule 4-1) apply.

9 VAC 5-40-3030. **[Not in SIP]**

9 VAC 5-40-3040. **[Not in SIP]**

9 VAC 5-40-3050. Compliance.

The provisions of 9 VAC 5-40-20 (Compliance) apply.

9 VAC 5-40-3060. Test methods and procedures.

The provisions of 9 VAC 5-40-30 (Emission Testing) apply.

9 VAC 5-40-3070. Monitoring.

The provisions of 9 VAC 5-40-40 (Monitoring) apply.

9 VAC 5-40-3080. Notification, records and reporting.

The provisions of 9 VAC 5-40-50 (Notification, Records and Reporting) apply.

9 VAC 5-40-3090. Registration.

The provisions of 9 VAC 5-20-160 (Registration) apply.

9 VAC 5-40-3100. Facility and control equipment maintenance or malfunction.

The provisions of 9 VAC 5-20-180 (Facility and Control Equipment Maintenance or Malfunction) apply.

9 VAC 5-40-3110. Permits.

A permit may be required prior to beginning any of the activities specified below and the provisions of 9 VAC 5 Chapter 50 (9 VAC 5-50-10 et seq.) and 9 VAC 5 Chapter 80 (9 VAC 5-80-10 et seq.) may apply. Owners contemplating such action should contact the appropriate regional office for guidance.

1. Construction of a facility.
2. Reconstruction (replacement of more than half) of a facility.
3. Modification (any physical change to equipment) of a facility.
4. Relocation of a facility.
5. Reactivation (restart-up) of a facility.